Amendments to the Claims:

1. (Canceled)

2. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of iron oxide ranges from 57.0 to 57.3 mole percent.

3. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of manganese oxide ranges from 38.0 to 39.0 mole percent.

4. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of zinc oxide ranges from 4.0 to 4.7 mole percent.

5. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of calcium oxide ranges from 0.030 to 0.050 weight percent.

6. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of silicon oxide ranges from 0.015 to 0.035 weight percent.

7. (Currently Amended) The ~~ferrite material~~ method according to claim ~~1~~ 8, wherein the amount of niobium oxide ranges from 0.020 to 0.030 weight percent.

8. (Currently Amended) A method of forming a ferrite material, comprising:

mixing as main components, an iron component ranging from 55.5 to 58.0 mole percent calculated as Fe_2O_3, an amount of manganese component ranging from 38.0 to

41.0 mole percent calculated as MnO, and an amount of zinc component ranging from 3.3 to 4.7 mole percent calculated as ZnO;

mixing with the main components minor components, an amount of calcium component ranging from 0.030 to 0.100 weight percent calculated as CaO, an amount of silicon component ranging from 0.015 to 0.040 weight percent calculated as SiO_2, and an amount of niobium component ranging from 0.010 to 0.030 weight percent calculated as Nb_2O_5;

~~The method according to claim 27,~~ wherein the major components and minor components of the raw materials are pulverized to a particle size ranging from 0.9 μ to 1.9 μ; and

heat treating the major components and the minor components to form the ferrite material.

9. (Currently Amended) ~~A sintered material comprised of the~~ The method according to claim 8, wherein the ferrite material ~~according to claim 1, and having~~ has a Curie temperature greater than 250°C.

10. (Currently Amended) The ~~sintered material~~ method of claim 9, wherein the ferrite material has a Curie temperature of 270°C or greater.

11. (Currently Amended) The ~~sintered material~~ method of claim 10, wherein the ferrite material has a Curie temperature of 280°C or greater.

12. (Currently Amended) ~~A sintered material comprised of a manganese-zinc~~ The method according to claim 8, wherein the ferrite material ~~having~~ has a power loss of below 170 mW/cm^3 at a frequency of 0.5 MHz and a magnetic flux density of 500 G at a temperature range between 80°C and 140°C.

13. (Currently Amended) The ~~sintered material~~ method of claim 12, wherein the power loss ranges from 85 mW/cm^3 and 130 mW/cm^3.

14. (Currently Amended) The ~~sintered material~~ method of claim 13, wherein the power loss is below 100 mW/cm^3.

15. (Currently Amended) ~~A sintered material comprised of a manganese-zinc~~ The method according to claim 8, wherein the ferrite material ~~having~~ has a power loss of below 465 mW/cm^3 at a frequency of 1.0 MHz and a magnetic flux density of 500 G at a temperature range between 80°C and 140°C.

16. (Currently Amended) The ~~sintered material~~ method of claim 15, wherein the power loss ranges from 315 mW/cm^3 to 400 mW/cm^3.

17. (Currently Amended) ~~A sintered material comprised of a manganese-zinc~~ The method according to claim 8, wherein the ferrite material ~~and having~~ has a power loss of below 300 mW/cm^3 at a frequency of 3.0 MHz and a magnetic flux density of 100 G at a temperature range between 80°C and 140°C.

18. (Currently Amended) The ~~sintered material~~ method of claim 17, wherein the power loss ranges from 90 mW/cm^3 to 180 mW/cm^3.

19. (Canceled)

20. (Canceled)

21. (Currently Amended) ~~A sintered material comprised of a manganese-zinc~~ The method according to claim 8, wherein the ferrite material ~~having~~ has a power loss of below 100 mW/cm^3 at a frequency of 0.5 MHz and a magnetic flux density of 500 G at a temperature range between 80°C and 140°C.

Claims 22-24 (Canceled)

25. (Currently Amended) ~~A sintered manganese-zinc~~ The method according to claim 8, wherein the ferrite material ~~having~~ has a power loss at or below 100 mW/cm^3 at a temperature between 80°C and 140°C and a frequency of 250 kHz.

Claims 26-28 (Canceled)